

Title (en)
METHOD AND APPARATUS FOR PREDICTING WORK OF BREATHING

Title (de)
VERFAHREN UND VORRICHTUNG ZUR VORHERSAGE DER ATEM-TÄTIGKEIT

Title (fr)
PROCÉDÉ ET APPAREIL DE PRÉDICTION DU TRAVAIL RESPIRATOIRE

Publication
EP 2816952 A1 20141231 (EN)

Application
EP 13751401 A 20130220

Priority

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- US 2013026876 W 20130220

Abstract (en)
[origin: WO2013126417A1] A method of creating a noninvasive predictor of both physiologic and imposed patient effort of breathing from airway pressure and flow sensors attached to the patient using an adaptive mathematical model. The patient effort is commonly measured via work of breathing, power of breathing, or pressure-time product of esophageal pressure and is important for properly adjusting ventilatory support for spontaneously breathing patients. The method of calculating this noninvasive predictor is based on linear or non-linear calculations using multiple parameters derived from the above-mentioned sensors.

IPC 8 full level
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CPC (source: EP)
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